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AIR ENFORCEMENT BRANCH
U.S. EPA, REGION V

AIR AND RADIATION DIVISION
MEETING REQUEST

TO: ATTENDEES

DATE: March 17, 1993

Meeting Request By: Gary Gulezian *ctw for GG*

Topic of Meeting: Air Toxics and Lead (Pb) Quarterly Review

Date of Meeting: March 23, 1993

Time of Meeting: 3:00pm

Length of Meeting: 1 hour

Location of Meeting: ATRB Conference Room A (Room 1813)

Attendees/Participants: DIR, D.D., BCs, Es Chiefs, Varner, Bourgikos, Bell,
Alvarez, Ticho, Cantu.

Preparation Needed: _____

Next Lead Mtg. June 10 10:00

AIR TOXICS AND LEAD QUARTERLY REVIEW
MARCH 23, 1993
3:00 p.m. - ATRB CONFERENCE ROOM A
ROOM 1813

AIR TOXICS

Overview	G. Gulezian	3:00
Early emission reduction program: Submittals, resubmittals, outreach	Enforcement Section Chiefs	3:05
Air toxics/NESHAP workplan update	B. Varner	3:10
Benzene Waste Operations NESHAP, Part 61, Subpart FF: Waivers, workshop, complexity	S. Bourgikos, B. Varner	3:20
Section 112(1) State programs: Approval hurdles, Regional and State concerns	B. Varner	3:35

LEAD (Pb)

Lead initiative progress and third quarter commitments	Branch Chiefs	3:45
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3/23/93

AEB ACTIVITIES UNDER TITLE III WORKPLAN
EARLY REDUCTIONS

Allied Signal

- On October 30, 1991, Allied Signal submitted an enforceable commitment application for two plants at the Ironton facility.
- Region 5 coordinated the completeness review with Headquarters, OEPA, and the Portsmouth City Health Department.
- USEPA assisted Allied Signal in submitting a complete application.
- Allied Signal resubmitted application.
- On September 16, 1992, USEPA advised Allied Signal that the revised application was complete.
- Region 5 completed technical review on 11/5/92.
- RTP has recently sent to Region 5 its comments and we are currently reviewing them and incorporating them into our formal determination. It does not appear that the submittal will be technically approvable because baseline emissions were not properly estimated.

Aristech Chemical Company

- On November 23, 1992, USEPA received an enforceable commitment application from Aristech Chemical Corporation for its Haverhill Plant.
- On February 24, 1993, Region 5 sent to Aristech preliminary comments on the completeness of the submittal. OEPA submitted comments on March 2, 1993 on the completeness of the submittal. We are currently awaiting comments from RTP on the submittal. It does not appear that the submittal is complete.

March 22, 1993

**AIR ENFORCEMENT BRANCH
FY 93, Q2 Lead Initiative Update**

This report updates the Airborne Lead Initiative table and identifies sources of lead or lead compounds in Ohio that are recommended for inspection in Q3 or Q4, FY 93; and provides a status report on Master Metals. There are no changes for the currently listed Ohio or Minnesota lead sources.

Target Inspections for FY 93

A search of the 1990 Toxic Release Inventory (TRI) data identified twenty-one facilities in Ohio with a total air release of 1000 pounds or more. Because significant known lead sources, such as Master Metals, were not included in the list of twenty-one facilities, a second search of the 1990 TRI data was conducted to identify facilities with large lead releases to other media and to identify secondary nonferrous smelters which have not been targeted for inspection previously. Table I lists the four facilities that are recommended for inspection in Q3 or Q4, FY 93. The results of the second search did not recommend that any secondary nonferrous smelters be added to the list of facilities to be inspected.

A similar search was conducted for lead sources in Minnesota. Based on the results, we do not recommend inspection of any facilities in Minnesota in FY 93.

Master Metals Update

An ambient monitoring network operated by ESD is generating upwind and downwind concentrations of lead in the proximate vicinity of Master Metals. It was put into operation in January 1993, and by mid-February 1993, the lead NAAQS of 1.5 mg/m³ had been exceeded mathematically at two of the sites. The fenceline monitor operated by Master Metals continues to indicate concentrations as high as previous quarters. No action has been taken by the OEPA for the order violations by Master Metals.

Q3 Projected Activities

Inspections are being scheduled for two lead sources. During Q3, we will inspect the GE Co. Niles/Mahoning Glass Plant in Niles and the North Star Steel Ohio plant in Youngstown. The other two facilities listed in Table I will be inspected during Q4.

Table I. Ohio Facilities Recommended for Addition to Airborne Lead Initiative

Facility Name	City County	Lead Emissions (pounds reported in 1990 TRI)	Designation Status	Compliance Status	Latest Plant Visit	Ambient Monitors* Assess Need for Opacity Monitor	Ambient Modeling
DuPont Toledo Plant	Toledo Lucas	7560 cp	PM: A Pb: ND	PM: In Pb: NR	3/19/92 Q4	No** No	No
Morgan Matroc Inc.	Bedford Cuyahoga	2980 cp	PM: MNA Pb: ND	PM: Unk Pb: NR	Unk Q4	No No	No
GE Co. Niles/ Mahoning Glass Plant	Niles Trumbull	2686 cp	PM: A Pb: ND	PM: In Pb: NR	8/18/92 Q3	No No	No
North Star Steel Ohio	Youngstown Mahoning	2050 cp	PM: A Pb: ND	PM: In Pb: NR	4/28/92 Q3	No** No	No

A = attainment area

MNA= moderate nonattainment area

cp = lead compounds

In = in compliance

ND = not designated

NR = no rules specific to lead

Unk= unknown

* = There are state or federal lead monitors in the general vicinity (same city), but there are no known lead monitors around or near the fence line of the facility.

** = SLAMS/NAMS lead monitor in same city.

Table II. Significant Lead Sources in Ohio.

Facility Name	City	County	Total Air Release	SIC Code
DuPont Toledo Plant*	Toledo	Lucas	7560	2851
Republic Lead*	Cleveland	Cuyahoga	4700	3499
WCI Steel Inc.*	Warren	Trumbull	3840 ¹	3312
Morgan Matroc Inc.*	Bedford	Cuyahoga	2980	3679
GE Co. Niles/Mahoning Glass*	Niles	Trumbull	2686	3329
USS/Kobe Steel Co.	Lorain	Lorain	640 ²	3312
Republic Engineered Steel	Canton	Stark	2000 ³	3312
Armco Steel Co.	Middletown	Butler	500 ⁴	3312
GMC Powertrain Division	Defiance	Defiance	220 ⁵	3321

All numbers are cited from the 1990 Toxic Release Inventory for lead and lead compounds.

* = Recommended for inspection by AEB, ES in FY 93.

1 = Total land release was 340,000 pounds; total water release was 490 pounds.

2 = Total land release was 140,000 pounds; total water release was 4400 pounds.

3 = Total land release was 27,000 pounds; total water release was 25 pounds.

4 = Total land release was 150,000 pounds; total water release was 1000 pounds.

5 = Total land release was 13,000 pounds; total water release was 42 pounds.

SIC Codes

2851 Paints and allied products

3229 Pressed and blown glass

3312 Blast furnaces and steel

3321 Gray and ductile iron foundries

3499 Fabricated metal products

3679 Electronic components

Table III. Ohio Lead Sources with TRI Air Releases of 1000 Pounds or More.

Source Name	City	County	Total Air Release	SIC Code
OI-NEG TV Products	Columbus	Franklin	28500	3229
Thompson Consumer Electronics	Circleville	Pickaway	9650	3229
DuPont Toledo Plant	Toledo	Lucas	7560	2851
Republic Lead	Cleveland	Cuyahoga	4700	3499
WCI Steel Inc.	Warren	Trumbull	3840	3312
Empire Detroit Division	Mansfield	Richland	3465	3312
Morgan Matroc Inc.	Bedford	Cuyahoga	2980	3679
GE Co. Niles/Mahoning Glass	Niles	Trumbull	2686	3229
Lancaster Glass Corp.	Lancaster	Fairfield	2509	3229
North Star Steel Ohio	Youngstown	Mahoning	2050	3313
Republic Engineered Steels	Canton	Stark	2000	3312
Victory White Metal Co.	Cleveland	Cuyahoga	1967	2899, 3332, 3341
Copperweld Steel Co.	Warren	Trumbull	1641	3312
I. Schumann & Co.	Oakwood Village	Cuyahoga	1500	3341
Eljer Manufacturing	Salem	Columbiana	1500	3431
Chase Brass & Copper Co., Inc	Montpelier	Williams	1444	3351
Bunting Bearings Corp.	Delta	Fulton	1367	3362, 3399
GMC Delco Products	Dayton	Montgomery	1345	3714
Carboline Xenia	Xenia	Greene	1285	2851
Johnson Controls Inc.	Holland	Lucas	1261	3691
RJF International Corp.	Marietta	Washington	1000	3081, 3089

SIC Codes:

2851 Paints and Allied Products
 2899 Chemical Preparations
 3081 Unsupported Plastics Film and Sheet
 3089 Plastic Products
 3229 Pressed and Blown Glass
 3312 Blast Furnaces and Steel
 3313 Electrometallurgical Products

3332 Primary Smelting and Refining

SIC Codes (cont'd):

3341 Secondary Nonferrous Metals
3351 Copper Rolling and Drawing
3362 Brass, Copper, and Copper Base Alloy Foundries
3399 Primary Metal Products
3431 Metal Sanitary Ware
3499 Fabricated Metal Products
3679 Electronic Components
3691 Storage Batteries
3714 Motor Vehicle Parts and Accessories